



SUMMARY REPORT
ON
ASTAP-26 MEETING

9th – 11th September 2015
Bangkok, Thailand

Prepared by:

Dr. Gopinath Rao Sinniah

IoT WG Chairman / REDtone Sdn Bhd

On Behalf of

**MALAYSIAN TECHNICAL STANDARDS
FORUM BHD**

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1. Introduction

Asia-Pacific Telecommunity Standardisation Program (ASTAP) is a one of the work area under Asia-Pacific Telecommunity (APT) which is for Asia Pacific Region. The standards discussed and approved at ASTAP would be adopted by member countries. Some of the standards would be submitted for consideration at ITU. ASTAP not only covers the standardisation program but also to make sure of the expert to deal with the study questions that may rise. The objectives of the APT Standardisation Program (ASTAP) are:

- i. To establish regional cooperation on standardization and to contribute to global standardization activities;
- ii. To harmonize standardization activities in the region through cooperative standardization activities such as exchange of views and information;
- iii. To share knowledge and experience among APT members through studies, research and analysis on telecommunications/ICT areas;
- iv. To assist APT members, especially developing country members, to develop the skills in telecommunications/ICT areas by providing research and analysis-based study results and surveys on key telecommunications/ICT areas;
- v. To enhance the level of expertise on standardization for telecommunications/ICT areas among APT members; and
- vi. To foster appropriate institutional arrangements for promotion of telecommunications/ ICT standardization in the Asia-Pacific region.

ASTAP consists of plenary, Working Groups, Joint Coordination Groups, Expert Groups, Advisory Board and other related groups.

At this meeting, Internet of Things and Smart Cities became the main discussion topics and working groups and expert groups are already planning to support initiatives on these two topics.

2. Participants

The meeting was attended by the experts of various Internet domains from around the world.

There were 5 Malaysian delegates from MTSFB.

Dr. Gopinath Rao represented the newly formed MTSFB IoT Working Group.

3. Meeting Sessions

a) M2M Expert Group

This EG was chaired by Dr. Seungyun Lee as an acting chairman on behalf of Dr. Hideo Imanaka, Japan. There were 2 sessions for the group, on the 10th and 11th of September. The summary of the discussion are:

- i. The discussions were merely on the 2 documents that are being drafted, APT Report on Smart Grid in APT Region and APT Report on e-Health in APT Region. The ToR and new work plan are also discussed.
- ii. Member from Korea and Malaysia raised the concern about the relevance of maintaining the M2M name and suggested to update the WG name and the terms of references. Internet of Things which is more prevalent now should be used as the EG name and the terms of references should at least follow the newly formed ITU-T SG20. This would provide a wider coverage on Internet of Things compared to M2M. The chairman of EG M2M encourages the APT member countries to propose the relevant title and ToR at the next ASTAP-27.
- iii. Mr. Hideo Himeno, from NEC Japan, presented the update on e-Health document and requested some updates from Malaysia, Singapore and Philippine. Dr. Gopinath informed them that we would update on the update requested in the next meeting. The document would be finalised by the next APT meeting.
- iv. The EG would continuously communicate with ITU SG16 on matters of e-Health.
- v. Dr. Hyoung Jun Kim, ETRI, Korea (Republic of) and vice-chairman of ITU-T SG13, presented the current status of standardization in ITU-T SG13 for information sharing. The ITU-T SG13 has titled 'Future networks including cloud computing, mobile and next-generation networks' and the current key topics are Cloud Computing, IoT, Big Data, SDN and Future Networks.
- vi. Dr. Hyoung Jun Kim, ETRI, Korea (Republic of) and vice-chairman of ITU-T SG20, presented an update on the newly formed study group at ITU-T, ITU-T SG20, IoT and its applications including smart cities and communities. It was reported that Dr. Hyoung Jun Kim would provide updated information on ITU-T SG20 in the next ASTAP meeting. The ASTAP chairman also requested the EG to work closely with the ITU-T SG20.
- vii. The meeting also reviewed the current work plan. Dr. Gopinath was elected as the editor for the "Smart City" documents. The content of the document has to be presented at the next ASTAP meeting. Summary of the work plan under EG M2M is given in the table below:

No.	Title of Work Item	Editor	Time Plan
1	APT report of e-Health in APT region	Mr. Hideo HIMENO/N EC (Japan)	ASTAP-27,2016
2	APT report of Smart City in APT region	Dr. Gopinath Rao Sinniah (Malaysia)	ASTAP-29, 2017/2018

3	Other M2M Applications/Services	(TBD)	~ASTAP-30, 2018/2019
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viii. The detail work plan for EG M2M is given in the Attachment A.

ix. Following are the potential items for discussion at the ASTAP-27 meeting:

- Smart City, including Smart Grid, situation in APT countries;
- Smart City, including Smart Grid, standardization status in ITU-T and other SDOs;
- e-Health situation in APT countries;
- e-Health standardization status in ITU-T and other SDOs;
- Draft report on e-Health in APT region;
- M2M services and applications;
- Review of title and ToR to cover the IoT and Smart Cities; and
- Future work plan.

b) Industry Workshop at ASTAP-27

There will be two topics for the next industry workshop:

- i. Resilient ICT System for Disaster Management; and
- ii. IoT and Smart Cities

c) Closing

- i. Each WG chairman reported their WG activities
- ii. Few output documents were discussed and adopted
- iii. The current leaders for the WG were highlighted
- iv. The location for ASTAP-27 has not been finalised yet. Members can check the APT website from time to time to get more details on the next ASTAP meeting.

4. Conclusion

ASTAP-26 meeting was held for 4 days. Following are the main points:

- i. Malaysia raise the relevance of maintaining the EG M2M name and it's ToR. It is good to follow the current trend and rename the EG to IoT and update the ToR so that it has wider role. We can propose the new ToR at ASTAP-27 meeting.
- ii. Dr. Gopinath Rao was elected as the editor for Smart City document. This is a privilege and Malaysia should continuously lead and contribute in this at ASTAP and ITU-T SG20. This can be a first step for us to strategize and move to higher position in IoT. Following are the potential work item that can be proposed under Smart City

- Smart City Use cases and parameters
 - Smart City Framework
 - Smart City Implementation in ASTAP Member Countries
- iii. MTSFB IoT WG has planned and strategized to provide standard documents at ASTAP and SG20.

Attachment A

DETAIL WORKPLAN FOR EG M2M

Title	APT report of e-Health in APT region
Output Document Type	APT report
Group/Chair	EG M2M/ Dr. Hideo IMANAKA
Editor(s)	Mr. Hideo HIMENO
Scope	<p>The scope of the report is followings:</p> <ul style="list-style-type: none">- Introduction of concept and importance of ICT countering e-Health- Introduction of related international standards activities- Introduction of case studies- Analysis of further study items for APT member countries
Purpose	<ul style="list-style-type: none">• Report of standardization activities regarding ICT/telecommunication networks on e-Health• Report on e-Health use cases that can be used to derive requirements on ICT/telecommunication networks in APT member countries
Timelines	Expected approval time is 2016

Title	Smart City
Output Document Type	APT Report
Group/Chair	EG M2M / Dr. Hideo IMANAKA
Editor(s)	Dr. Gopinath Rao Sinniah
Scope	<p>The scope of this work item is followings:</p> <ul style="list-style-type: none"> - Report of standardization activities regarding ICT/telecommunication networks on Smart City - Report on use cases of Smart City that can be used to derive requirements on ICT/telecommunication networks in APT member countries
Purpose	<p>The purpose of this work plan is to develop an APT report which includes information such as use case, technologies, solutions, ecosystem, and standard activities of SDOs etc. relating to Smart City. This work item aims to collect information related to Smart City of each APT member country such as best practice, and to share them among APT member countries. It also aims to support build up Smart City in APT member countries.</p>
Timelines	Expected approval time is 2017

Title	Other M2M Applications/Services
Output Document Type	APT report
Group/Chair	EG M2M/ Dr. Hideo IMANAKA
Editor(s)	TBD
Scope	Specific topic on M2M-related applications and /or services such as Intelligent Transport System
Purpose	<ul style="list-style-type: none"> • Report of standardization activities regarding ICT/telecommunication networks on other M2M applications such as ITS (Intelligent Transport System) • Report on use cases of other M2M applications that can be used to derive requirements on ICT/telecommunication networks in APT member countries • Report of survey results on regional interests of the APT member countries
Timelines	TBD



MALAYSIAN TECHNICAL STANDARDS FORUM BHD

4805-2-2, Block 4805,
Persiaran Flora, CBD Perdana 2,
Cyber 12,
63000 Cyberjaya
Selangor Darul Ehsan
Malaysia
Tel: (+603) 8322 1441
Fax: (+603) 8322 0115
Website: www.mtsfb.org.my